

PATENT COOPERATION TREATY
PCT
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference BP109374	FOR FURTHER ACTION See Form PCT/IPEA/416																									
International application No. PCT/FI2004/000406	International filing date (day/month/year) 30.06.2004	Priority date (day/month/year) 04.07.2003																								
International Patent Classification (IPC) or national classification and IPC A61J 1/03, B65D 83/04																										
Applicant Stora Enso Oyj et al																										
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>3</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (sent to the applicant and to the International Bureau) a total of <u>2</u> sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p> <p>4. This report contains indications relating to the following items:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"><input checked="" type="checkbox"/></td> <td style="width: 15%;">Box No. I</td> <td style="width: 70%;">Basis of the report</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>			<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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Date of submission of the demand 02.05.2005	Date of completion of this report 31.05.2005																									
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/PI2004/000406

Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:

international search (under Rules 12.3 and 23.1(b))
 publication of the international application (under Rule 12.4)
 international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):

the international application as originally filed/furnished

the description:
 pages 1-7 _____ as originally filed/furnished
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____

the claims:
 pages _____ as originally filed/furnished
 pages* _____ as amended (together with any statement) under Article 19
 pages* 8-9 _____ received by this Authority on 02.05.2005
 pages* _____ received by this Authority on _____

the drawings:
 pages 1-3 _____ as originally filed/furnished
 pages* _____ received by this Authority on _____
 pages* _____ received by this Authority on _____

a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. The amendments have resulted in the cancellation of:

the description, pages _____
 the claims, Nos. _____
 the drawings, sheets/figs _____
 the sequence listing (specify): _____
 any table(s) related to the sequence listing (specify): _____

4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

the description, pages _____
 the claims, Nos. _____
 the drawings, sheets/figs _____
 the sequence listing (specify): _____
 any table(s) related to the sequence listing (specify): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/FI2004/000406

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-17	YES
	Claims		NO
Inventive step (IS)	Claims	1-17	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-17	YES
	Claims		NO

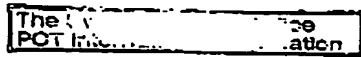
2. Citations and explanations (Rule 70.7)**Documents cited in the International Search Report:**

D1: EP 0232674 A2
D2: GB 2107287 A
D3: DE 3840080 A1
D4: US 3324995 A
D5: US 5275291 A
D6: WO 03047385 A1

The cited documents represent the general state of the art. The invention defined in claims 1-17 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed encapsulated blister package. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-17 is novel and is considered to involve an inventive step. The invention is industrially applicable.



Claims

1. Encapsulated blister package, characterised in that it has a flat outer casing (1) open at least from one side, and an inner part (2) bound to the outer casing and being at least partly extractable, the inner part comprising a disc (7) formed as a blister package fitted rotatably onto a base (5), which has an outlet opening (9) below the disc so that products (8) brought to the opening by rotating the disc can be released from the disc by pressing the respective blister (15) and removed from the package through the opening.
2. Package according to claim 1, characterised in that the casing (1) and/or the inner part (2) is provided with a retainer (11, 12), preventing the inner part from becoming loose from the casing.
3. Package according to claim 1 or 2, characterised in that the disc (7) consists of a blister sheet (13) of flexible plastics, and a bottom (14) made of flexible material, such as foil paper, which breaks when the product (8) is released by pressing.
4. Package according to one of the preceding claims, characterised in that the disc (7) contains individual products (8) arranged to form an arc of a circle or a ring so that they can be brought to the outlet opening (9) or like in the base (5) one at a time by rotating the disc.
5. Package according to claim 4, characterised in that the products (8) are arranged as several concentric arcs or rings in the disc (7).
6. Package according to one of the claims 1 – 3, characterised in that the products (8) are arranged as a spiral in the disc (7).
7. Package according to one of the preceding claims, characterised in that the base (5) is provided with a longitudinal outlet opening (9), extending in the direction of the radius of the disc (7).
8. Package according to one of the preceding claims, characterised in that the disc (7) and/or the base (5) contains a hindrance, which allows the disc to rotate to one direction only.
9. Package according to one of the preceding claims, characterised in that the disc (7) comprises a sector (19), which is free of the packed products (8), and that in an unopened package, said sector is located at the outlet opening (9) in the base (5).

10. Package according to one of the preceding claims, characterised in that the disc (7) is articulated onto the base (5) from its middle section (6).
11. Package according to one of the claims 1 – 9, characterised in that the extractable inner part (2) comprises a base (5) and a projection (20) extending from its side (10) above the disc (7) for keeping the disc in place on the base.
12. Package according to claim 11, characterised in that the disc (7) rests freely on the base (5) so that it can be rotated by fingers.
13. Package according to claim 11 or 12, characterised in that the projection is formed as an annular rim (20) encircling the circumference of the disc (7).
14. Package according to claim 12, characterised in that the rim (20) has a tongue (24), extending towards the centre of the disc (7), at which a blister (15) in the disc (7) is left under the rim.
15. Package according to claims 8 and 14, characterised in that the rim (20) has beside the tongue (24) at least one fin (25) directed down towards the disc (7), turning to one direction only so that, in cooperation with a blister (15), it allows the disc to rotate to one direction only.
16. Package according to one of the preceding claims, characterised in that the outer casing (1) and the base (5) of the inner part are made of packaging board.
17. Package according to one of the preceding claims, characterised in that the package is a medicine package containing tablets (8), capsules or pills.